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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/567,990	02/10/2006	Andrew D. Greentree	FBR10000P00150US	7501
32116 WOOD, PHILI	7590 06/01/200 LIPS, KATZ, CLARK	EXAM	INER	
500 W. MADISON STREET			DANG, PHUC T	
SUITE 3800 CHICAGO, IL	60661	·	ART UNIT	PAPER NUMBER
			2818	
			MAIL DATE	DELIVERY MODE
			06/01/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

		TH			
	Application No.	Applicant(s)			
	10/567,990	GREENTREE ET AL.			
Office Action Summary	Examiner	Art Unit			
•	Phuc T. Dang	2818			
The MAILING DATE of this communication a Period for Reply	ppears on the cover sheet v	vith the correspondence address			
A SHORTENED STATUTORY PERIOD FOR REP WHICHEVER IS LONGER, FROM THE MAILING - Extensions of time may be available under the provisions of 37 CFR after SIX (6) MONTHS from the mailing date of this communication. If NO period for reply is specified above, the maximum statutory perions are period for reply within the set or extended period for reply will, by state Any reply received by the Office later than three months after the main earned patent term adjustment. See 37 CFR 1.704(b).	DATE OF THIS COMMUN 1.136(a). In no event, however, may a od will apply and will expire SIX (6) MO ute, cause the application to become	ICATION. a reply be timely filed ONTHS from the mailing date of this communication. ABANDONED (35 U.S.C. § 133).			
Status					
1) Responsive to communication(s) filed on Pre	e-Amendment filed Februa	ry 1 <u>0, 2006</u> .			
,-	·				
	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.				
Disposition of Claims					
4) Claim(s) 1-41 is/are pending in the application 4a) Of the above claim(s) is/are withdright 5) Claim(s) is/are allowed. 6) Claim(s) is/are rejected. 7) Claim(s) is/are objected to. 8) Claim(s) 1-41 are subject to restriction and/or	rawn from consideration.	٠.			
Application Papers					
9)☐ The specification is objected to by the Exami					
10)☐ The drawing(s) filed on is/are: a)☐ a					
Applicant may not request that any objection to the					
Replacement drawing sheet(s) including the corr					
Priority under 35 U.S.C. § 119					
12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority documed 2. Certified copies of the priority documed 3. Copies of the certified copies of the papplication from the International Bured* See the attached detailed Office action for a light service.	ents have been received. ents have been received in riority documents have bee eau (PCT Rule 17.2(a)).	Application No en received in this National Stage			
Attachment(s)					
1) Notice of References Cited (PTO-892)	D N	w Summary (PTO-413) lo(s)/Mail Date			
 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date 		f Informal Patent Application			

Application/Control Number: 10/567,990

Art Unit: 2818

Election/Restriction

Restriction to one of the following inventions is required under 35 U.S.C. 121:

- I. Group I, Claims 1-25, drawn to an apparatus of a closed three-site quantum particle system, classified in class 257, subclass 312.
- II. Group II, Claims 26-41, drawn to a readout method for a closed three-state quantum particle system, classified in class 438, subclass 22.

The inventions are distinct, each from the other because of the following reasons:

1. Inventions I and II are related as method of making and product made. The inventions are distinct if either or both of the following can be shown: (1) that the process as claimed can be used to make other and materially different product or (2) that the product as claimed can be made by another and materially different process (MPEP § 806.05(f)). In the instant case unpatentability of the Group II invention would not necessarily imply unpatentability of the Group I invention, since the device of Group I invention could be made by a product different from those of the Group II invention. For example, a closed three-site quantum particle system can be made is different ways and does not have exactly follow the process of the claims of Group II.

However, the issues of method and product claims are divergent. Furthermore, there may be some overlap in the searches of the two groups, but there is no reason to believe that the searches would be identical. Therefore, based on the additional work involved in searching and examination of the two inventions together, restriction of distinct inventions is clearly proper.

- 2. Applicant is advised that the response to this requirement to be complete must include an election of the invention to be examined eventhough the requirement be traverse (37 CFR 1.143).
- 3. Applicant is reminded that upon the cancellation of claims to a non-elected invention, the inventorship must be amended in compliance with 37 CFR 1.48(b) if one or more of the currently named inventors is no longer an inventor of at least one claim remaining in the application. Any amendment of inventorship must be accompanied by a diligently-filed petition under 37 CFR 1.48(b) and by the fee required under 37 CFR 1.17(h).
- 4. Any inquiry concerning this communication or earlier communication from the examiner should be direct to Phuc T. Dang whose telephone number (571) 272-1776.

The examiner can normally be reached on Monday through Friday from 8:00am to 5:00pm.

Phuc T. Dang

Langphur Primary Examiner

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